

COMPLETE LISTING OF CLAIMS
IN ASCENDING ORDER WITH STATUS INDICATOR

1. (Currently amended) A method for inhibiting bone resorption by inhibiting osteoclast formation or a method for inhibiting bone resorption which comprises exposing cells to ultrasound in the-a culture containing an osteoclast precursor and an inducing-inducing factor of osteoclast formation and /or bone resorption.

2. (Currently amended) The method for inhibiting bone resorption by inhibiting osteoclast formation or the method for inhibiting bone resorption according to claim 1 wherein said inducing-inducing factor comprises at least one factor selected from the group consisting of macrophage colony-stimulating factor, osteoclast differentiating factor, tumor necrosis factor, interleukin-4, and vascular endothelial cell growth factor.

3. (Currently amended) A method for inhibiting bone resorption by inhibiting osteoclast formation or a method for inhibiting bone resorption whicwhich comprises exposing cells to ultrasound in the-a co-culture containing an osteoclast precursor and an-a supporting cell for osteogenesis.

4. (Currently amended) The method for inhibiting bone resorption by inhibiting osteoclast formation or the method for inhibiting bone resorption according to claim 3 wherein said co-culture system comprises at least one cell selected from the group consisting of osteoblast, stroma cell, fibroblast, T-lymphocyte and B-lymphocyte.

5. (Currently amended) The method for inhibiting bone resorption by inhibiting osteoclast formation as described inaccording to claim 3 wherein said co-culture comprises an inducing factor of osteoclast formation and/or bone resorption in the co-culture medium.

6. (Currently amended) The method for inhibiting bone resorption by inhibiting osteoclast formation or the method for inhibiting bone resorption according to claim 5 wherein said inducing factor comprises at least one factor selected from the group consisting of macrophage colony-stimulating factor, osteoclast forming factor, tumor necrosis factor, interleukin-1, interleukin-3, interleukin-6, interleukin-11, interleukin-15, interleukin-17, prostaglandins, parathyroid hormone, parathyroid hormone-related peptide, granulocyte macrophage colony -stimulating factor, active vitamin D and its derivatives.

7. (Currently amended) The method for inhibiting bone resorption by inhibiting osteoclast formation according to as described in claim 4 wherein said co-culture comprises an inducing factor of osteoclast formation and/or bone resorption in the co-culture medium.

8. (Currently amended) The method for inhibiting bone resorption by inhibiting osteoclast formation or the method for inhibiting bone resorption according to claim 7 wherein said inducing factor comprises at least one factor selected from the group consisting of machrophage colony-stimulating factor, osteoclast forming factor, tumor necrosis factor, interleukin-1, interleukin-3, interleukin-6, interleukin-11, interleukin-15, interleukin-17, prostaglandins, parathyroid hormone, parathyroid hormone-related peptide, granulocyte macrophage colony-stimulating factor, active vitamin D and its derivatives.